WHAT IS CLAIMED IS:

1	1. A vascular prosthesis comprising:
2	an expansible structure which is implantable within a body lumen; and
3	means on or within the structure for releasing methylprednisolone into the
4	body lumen to inhibit smooth muscle cell proliferation.
1	2. A prosthesis as in claim 1, wherein methylprednisolone is released at a
2	rate between 5 μg/day to 200 μg/day.
1	3. A prosthesis as in claim 1, wherein methylprednisolone is released at a
2	rate between 10 μg/day to 60 μg/day.
1	4. A prosthesis as in claim 1, wherein methylprednisolone is released at
2	an initial phase wherein a rate of methylprednisolone release is between 0 μg/day to 50
3	$\mu g/day$ and a subsequent phase wherein a rate of methylprednisolone release is between 5
3 4 4 1 2 2 2 1 2 2 2 1 2	μg/day to 200 μg/day.
10 1	5. A prosthesis as in claim 1, wherein methylprednisolone is released at
*** 2	an initial phase wherein a rate of methylprednisolone release is between 5 µg/day to 30
3	μg/day and a subsequent phase wherein a rate of methylprednisolone release is between 10
14	μg/day to 100 μg/day.
(J () 1	6. A prosthesis as in claim 1, wherein methylprednisolone is released at
2	an initial phase wherein a rate of methylprednisolone release is between 40 μg/day to 300
3	$\mu g / day$ and a subsequent phase wherein a rate of methylprednisolone release is between 1
4	μg/day to 100 μg/day.
1	7. A prosthesis as in claim 1, wherein methylprednisolone is released at
2	an initial phase wherein a rate of methylprednisolone release is between 40 $\mu g/day$ to 200
3	μg/day and a subsequent phase wherein a rate of methylprednisolone release is between 10
4	μg/day to 40 μg/day.
1	8. A prosthesis as in claim 1, wherein methylprednisolone is released at a
2	constant rate between 5 μg/day to 200 μg/day.
1	9. A prosthesis as in claim 1, wherein a total amount of
2	methylprednisolone release is in a range from 100 ug to 10 mg.

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- 1 10. A prosthesis as in claim 1, wherein a total amount of
 2 methylprednisolone release is in a range from 300 μg to 2 mg.
- 1 11. A prosthesis as in claim 1, wherein a total amount of methylprednisolone release is in a range from 500 μg to 1.5 mg.
- 1 12. A prosthesis as in claim 1, wherein a mammalian tissue concentration
 2 of methylprednisolone at an initial phase is within a range from 0 μg/mg of tissue to 100
 3 μg/mg of tissue.
 - 13. A prosthesis as in claim 1, wherein a mammalian tissue concentration of methylprednisolone at an initial phase is within a range from 0 μg/mg of tissue to 10 μg/mg of tissue.
 - 14. A prosthesis as in claim 1, wherein a mammalian tissue concentration of methylprednisolone at a subsequent phase is within a range from 1 picogram/mg of tissue to $100 \mu g/mg$ of tissue.
 - 15. A prosthesis as in claim 1, wherein a mammalian tissue concentration of methylprednisolone at a subsequent phase is within a range from 1 nanogram/mg of tissue to $10 \mu g/mg$ of tissue.
 - 16. A prosthesis as in claim 1, wherein the expansible structure is a stent or graft.
- 1 17. A prosthesis as in claim 1, wherein the means for releasing
 2 methylprednisolone comprises a matrix formed over at least a portion of the structure.
- 1 18. A prosthesis as in claim 17, wherein the matrix is composed of a material which undergoes degradation.
- 1 19. A prosthesis as in claim 17, wherein the matrix is composed of a nondegradable material.
- 1 20. A prosthesis as in claim 19, wherein methylprednisolone is released by diffusion through the nondegradable matrix.

or paralene and having a thickness in a range from 50 nm to 10 microns.

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1	30. A prosthesis as in claim 29, wherein methylprednisolone is released at
2	a rate between 5 μg/day to 200 μg/day.
1	31. A prosthesis as in claim 29, wherein methylprednisolone is released at
2	a rate between 10 μg/day to 60 μg/day.
1	32. A prosthesis as in claim 29, wherein at least one layer contains
2	methylprednisolone and another layer contains methylprednisolone, at least one substance
3	other than methylprednisolone, or no substance.
1	33. A vascular prosthesis comprising:
2	an expansible structure;
3	a source of methylprednisolone on or within the structure, wherein the
4	methylprednisolone is released from the source when the expansible structure is implanted in
5	a blood vessel; and
6	a source of at least one other substance in addition to methylprednisolone on
7	or within the structure, wherein the at least one additional substance is released from the
8	source when the expansible structure is implanted in a blood vessel.
1	34. A prosthesis as in claim 33, wherein the at least one additional
2	substance is an immunosuppressive substance selected from the group consisting of
3	rapamycin, mycophenolic acid, riboflavin, tiazofurin, mizoribine, FK 506, zafurin, and
4	methotrexate.
1	35. A prosthesis as in claim 33, wherein the at least one additional
2	substance comprises at least one agent selected from the group consisting of anti-platelet
3	agent, anti-thrombotic agent, and IIb/IIIa agent.
1	36. A prosthesis as in claim 33, wherein each source comprises a matrix,
2	rate limiting membrane, or reservoir.
1	37. A method for inhibiting restenosis in a blood vessel following
2	recanalization of the blood vessel, said method comprising:
3	implanting a vascular prosthesis in the blood vessel; and
4	releasing methylprednisolone into the blood vessel so as to inhibit smooth
5	muscle cell proliferation.

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prosthesis.

46. A method as in claim 45, wherein delaying release comprises slowing release from a reservoir with a material that at least partially degrades in a vascular environment over said one hour.

substantial release of methylprednisolone for at least one hour following implantation of the

1 47. A method as in claim 45, wherein delaying release comprises slowing 2 release with a matrix that at least partially degrades in a vascular environment over said one hour.

A method as in claim 45, wherein delaying release comprises slowing

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within a time period of 2 days to 3 months.

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thrombotic agent, and IIb/IIIa agent.

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comprises at least one agent selected from the group consisting of anti-platelet agent, anti-

A method as in claim 52, wherein the at least one additional substance

- 1 58. A method as in claim 52, wherein methylprednisolone and the at least 2 one additional substance are released simultaneously.
- 59. A method as in claim 52, wherein methylprednisolone and the at least one additional substance are released sequentially.